

IN THE CLAIMS:

Please cancel claims 2 and 3 without prejudice, and amend claims 1, 4 and 10 as follows:

*a' b'*

1. A solid state p-n heterojunction comprising an electron conductor and a hole conductor, and further comprising a sensitising semiconductor, said sensitizing semiconductor being located at an interface between said electron conductor and said hole conductor, characterised in that said sensitizing semiconductor is in a form consisting of particles adsorbed at the surface of said electron conductor.

4. A heterojunction as claimed in claim 1, characterised in that said sensitizing semiconductor is in form of quantum-dots.

*a<sup>2</sup>*

10. A heterojunction as claimed in claim 1, characterised in that said hole conductor is a polymer.